

EXHIBIT Z

**Groundwater Monitoring Report
Fourth Quarter 2000
Former Chromal Plating Company Site
Former Lawry's California Center
Los Angeles, California
Case File No. 95-094
CAO No. 99-037**

**January 17, 2001
6257.00-173**



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Prepared For
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

January 17, 2001

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Ms. Ana Veloz-Townsend
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject: Groundwater Monitoring Report - Fourth Quarter 2000
Former Chromal Plating Company Site, Former Lawry's California Center,
528 San Fernando Road, Los Angeles, California
Case File No. 95-094; CAO No. 99-037

Dear Ms. Veloz-Townsend:

On behalf of the Qualified Settlement Fund, LFR Levine-Fricke (LFR) has prepared the enclosed Groundwater Monitoring Report for the former Chromal Plating Company site at the former Lawry's California Center.

This report contains a summary of groundwater monitoring data for the fourth quarter of 2000. Five quarters of post-remedial groundwater monitoring have been conducted at the site in accordance with the California Regional Water Quality Control Board, Los Angeles Region (RWQCB), Cleanup and Abatement Order (CAO) Number 99-037, which states: "Implement a quarterly groundwater monitoring program for all wells located on the site. Groundwater samples shall be analyzed, at a minimum, for VOC's, total chromium, hexavalent chromium, sulfate, chloride, boron, pH, temperature, and TDS."

During the fourth quarter of 2000, an inspection of the asphalt cap covering the soil remediation area was performed. Results of the inspection indicate that the asphalt cap is in good condition. Also during this quarter, repairs were made to well LFCH-8 located in North Avenue 19. The well had been damaged during re-paving activities performed by the City of Los Angeles earlier in the year. Repairs included replacing the damaged well box and the concrete collar around the box.

The next round of groundwater monitoring will be performed during the first quarter of 2001. The next quarterly groundwater monitoring report will be submitted in April 2001.

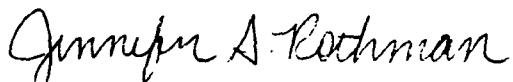
In a letter dated November 14, 2000, the RWQCB denied our request to reduce the groundwater monitoring and reporting frequency from quarterly to semiannually. In addition, the RWQCB modified the groundwater monitoring program by requiring groundwater samples to be analyzed

for hexavalent chromium by EPA Method 218.6 with a detection limit of 0.2 micrograms per liter ($\mu\text{g/L}$).

For comparison purposes, hexavalent chromium was analyzed using both EPA Method 218.6 and EPA Method 7196A. EPA Method 7196A has historically been used for hexavalent chromium analysis for this site. Results appeared to be consistent between the two methods. EPA Method 218.6 will be the only method used in future groundwater monitoring events. During this quarter, two analytical laboratories were used for the analysis of hexavalent chromium: Severn Trent Laboratories (formerly Core Laboratories) of Santa Ana, California (for EPA Method 7196A) and E.S. Babcock & Sons, Inc. of Riverside, California (for EPA Methods 7196A and 218.6). E.S. Babcock & Sons, Inc. has been granted interim certification for the analysis of hexavalent chromium by EPA Method 218.6. STL has not applied for this certification. Therefore, we will be using E.S. Babcock & Sons, Inc. to analyze groundwater samples obtained in future groundwater monitoring events.

If you have any questions, please contact either of the undersigned at (714) 444-0111.

Sincerely,



Jennifer S. Rothman, P.E.
Senior Civil Engineer


Eileen T. Wintemute
Principal Engineer

Attachments

cc: Mr. Bruce H. Edelson, P.E. – Qualified Settlement Fund

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1.0 INTRODUCTION

The former Lawry's California Center is located at 570 West Avenue 26, Los Angeles, California. The former Lawry's California Center comprised a 17-acre parcel that was at one time developed with a total of 17 buildings, including warehouses, general office facilities, former food processing facilities and restaurants, landscaped courtyards, and parking areas (Figures 1 and 2). The buildings have been demolished and a Home Depot store now occupies the property. The former Chromal site ("the Site") consists of a 4,500-square-foot former asphalt parking area located in the southern portion of the former Lawry's California Center property, at 528 San Fernando Road near Figueroa Avenue (Figure 2). Most of this area is now a portion of the parking lot for the Home Depot store.

2.0 GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring for the Site was conducted on December 20, 2000. LFR personnel collected depth-to-groundwater measurements from ten Chromal site vicinity wells (LFCH-2 through LFCH-8, and LFCH-10a,b,c). Monitoring well locations are shown on Figure 3.

Following collection of the depth-to-groundwater measurements, the monitoring wells were purged with submersible groundwater pumps and then sampled using disposable bailers. An equipment blank sample and duplicate sample were collected for quality control purposes. Groundwater samples were submitted to Severn Trent Laboratories (formerly Core Laboratories) of Santa Ana, California, for the following analyses: total dissolved chromium and hexavalent chromium by EPA Methods 6010B and 7196A; volatile organic compounds (VOCs) by EPA Method 8260B; boron by EPA Method 6010B; total dissolved solids (TDS) by SM 2540; and chloride and sulfate by SM 4500. In addition, groundwater samples were submitted to E.S. Babcock & Sons, Inc. of Riverside, California, for hexavalent chromium analysis by EPA Methods 7196A and 218.6.

2.1 Groundwater Elevation and Flow Direction

Groundwater elevations were calculated from the depth-to-groundwater measurements recorded for the ten groundwater monitoring wells at the Chromal site. Current and historical groundwater elevation data are presented in Table 1. Groundwater elevations decreased by 0.06 to 0.16 foot compared to the September 2000 monitoring event. Groundwater elevation contours are shown in Figure 3. The horizontal groundwater flow direction beneath the Chromal site vicinity is to the south-southwest at a gradient of approximately 0.002 ft/ft.

2.2 Groundwater Analytical Results

Current and historical groundwater quality data are presented in Table 2. Total dissolved chromium was not detected above the laboratory reporting limit of 0.05 milligrams per liter (mg/L) in wells LFCH-2, LFCH-4, LFCH-5, LFCH-6, LFCH-7, LFCH-8, LFCH-10a, LFCH-10b, and LFCH-10c. The concentration of total dissolved chromium decreased in well LFCH-3 from 0.17 mg/L in September 2000 to 0.083 mg/L in December 2000. Hexavalent chromium was not detected above the laboratory reporting limit of 0.001 mg/L using EPA Method 218.6 in wells LFCH-2, LFCH-5, LFCH-7, LFCH-8, LFCH-10b, and LFCH-10c. Trace levels of hexavalent chromium were estimated to be below the laboratory reporting limit and above the laboratory method detection limit of 0.0001 mg/L in wells LFCH-2 and LFCH-8. The concentration of hexavalent chromium decreased in well LFCH-3 from 0.15 mg/L in September 2000 to 0.097 mg/L in December 2000. The concentrations of hexavalent chromium in wells LFCH-2, LFCH-4, and LFCH-10a using EPA Method 218.6 were 0.0012 mg/L, 0.0014 mg/L, and 0.0099 mg/L, respectively. Hexavalent chromium was not detected in these wells in September 2000 using EPA Method 7196A with a higher detection limit (0.02 mg/L).

Total chromium concentrations over time are depicted in graphical form on Figure 4. As shown on Figure 4, the extent of chromium-affected groundwater has significantly reduced from pre-soil remediation groundwater concentrations measured in June 1999.

The concentrations of halogenated VOCs identified in Chromal site vicinity wells are similar to previous groundwater monitoring results. As described in previous reports, the lack of an on-site source and the decreasing concentrations of these VOCs indicate that an active remediation for VOCs in groundwater is not warranted.

The Chromal site lies between the San Fernando Basin and the Central Basin of the Los Angeles Coastal Plain. According to Table 3-10 of the June 13, 1994 Water Quality Control Plan, Los Angeles Region, the water quality objectives for selected constituents in groundwater in this region are as follows:

- TDS: 700 mg/L
- Sulfate: 250 mg/L
- Chloride: 150 mg/L
- Boron: 1.0 mg/L

TDS concentrations exceeded 700 mg/L in all of the wells, and ranged from 702 mg/L to 1,710 mg/L. Sulfate concentrations were above 250 mg/L in wells LFCH-4, LFCH-5, LFCH-6, LFCH-8, and LFCH-10a. Sulfate concentrations ranged from 73.2 mg/L to 459 mg/L. Chloride concentrations were above 150 mg/L in monitoring wells LFCH-4, LFCH-5, LFCH-6, LFCH-8, and LFCH-10b. Chloride concentrations were less than the U.S. EPA's secondary drinking water standard of 250 mg/L in all the wells, with the exception of LFCH-4. Chloride concentrations ranged from

82 mg/L to 257 mg/L. Boron concentrations were below 1.0 mg/L in all the wells sampled, with the exception of LFCH-4, LFCH-5, LFCH-8, and LFCH-10b. Boron concentrations ranged from 0.42 mg/L to 2.3 mg/L.

2.3 Continued Groundwater Monitoring

The next round of groundwater monitoring will be performed during the first quarter of 2001. That event will represent the sixth post-remedial groundwater monitoring event. The next quarterly groundwater monitoring report will be submitted in April 2001.

3.0 ASPHALT CAP

Following the completion of soil remediation activities, an asphalt cap was placed over the treated soil area, as described in LFR's November 23, 1999 "Soil Remediation Report." An inspection of the asphalt cap was performed on December 20, 2000. Results of the inspection indicate that the asphalt cap is in good condition.

TABLES

Table 1
Groundwater Elevation Measurements
Former Chromal Plating Site Vicinity
Former Lawry's California Center
LFR 6257.00

Well Location ID	Date Measured	Top-of-Casing Elevation	Depth to Groundwater	Groundwater Elevation	Relative Change in Groundwater Elevation (feet REL)
		(feet MSL)	(feet BTC)	(feet MSL)	
LFCH-1	06/02/93	334.23	39.44	294.79	-
	03/16/94		40.89	293.34	-1.45
	04/14/94		41.02	293.21	-0.13
	01/06/95		41.27	292.96	-0.25
	06/06/95		40.09	294.14	1.18
	12/28/95		40.78	293.45	-0.69
	04/11/96		40.80	293.43	-0.02
	05/20/96		40.67	293.56	0.13
	10/07/96		40.85	293.38	-0.18
	12/30/96		40.97	293.26	-0.12
	06/24/97		40.65	293.58	0.32
	08/20/97		40.84	293.39	-0.19
	02/10/98		40.55	293.68	0.29
	07/30/98		39.35	294.88	1.20
	01/28/99		40.22	294.01	-0.87
LFCH-2	03/16/94	334.33	41.17	293.16	-
	04/14/94		41.28	293.05	-0.11
	01/06/95		41.53	292.80	-0.25
	06/06/95		40.36	293.97	1.17
	12/28/95		41.04	293.29	-0.68
	04/11/96		41.05	293.28	-0.01
	05/20/96		40.93	293.40	0.12
	10/07/96		41.10	293.23	-0.17
	12/30/96		41.22	293.11	-0.12
	06/24/97		40.91	293.42	0.31
	08/20/97		41.10	293.23	-0.19
	02/10/98		40.80	293.53	0.30
	07/30/98		39.65	294.68	1.15
	01/28/99		40.50	293.83	-0.85
	06/03/99		40.75	293.58	-0.25
	11/03/99		41.17	293.16	-0.42
	02/11/00		41.44	292.89	-0.27
	05/18/00		41.31	293.02	0.13
LFCH-3	09/06/00	334.73	41.31	293.02	0.00
	12/20/00		41.37	292.96	-0.06
	03/16/94		41.86	292.87	-
	04/14/94		41.97	292.76	-0.11
	01/06/95		42.16	292.57	-0.19
	06/06/95		41.07	293.66	1.09
	12/28/95		41.73	293.00	-0.66
	04/11/96		41.75	292.98	-0.02
	05/20/96		41.61	293.12	0.14
	10/07/96		41.47	293.26	0.14
	12/30/96		41.88	292.85	-0.41
	06/24/97		41.58	293.15	0.30
	08/20/97		41.77	292.96	-0.19
	02/10/98		41.48	293.25	0.29
	07/30/98		40.40	294.33	1.08

Table 1
Groundwater Elevation Measurements
Former Chromal Plating Site Vicinity
Former Lawry's California Center
LFR 6257.00

Well Location ID	Date Measured	Top-of-Casing Elevation (feet MSL)	Depth to Groundwater (feet BTC)	Groundwater Elevation (feet MSL)	Relative Change in Groundwater Elevation (feet REL)
LFCH-3 (continued)	05/18/00		41.97	292.76	0.11
	09/06/00		41.95	292.78	0.02
	12/20/00		42.05	292.68	-0.10
LFCH-4	06/06/95	333.60	39.83	293.77	-
	12/28/95		40.47	293.13	-0.64
	04/11/96		40.51	293.09	-0.04
	05/20/96		40.37	293.23	0.14
	10/07/96		40.54	293.06	-0.17
	12/30/96		40.64	292.96	-0.10
	06/24/97		40.35	293.25	0.29
	08/20/97		40.53	293.07	-0.18
	02/10/98		40.24	293.36	0.29
	07/30/98		39.15	294.45	1.09
	01/28/99		40.00	293.60	-0.85
	06/03/99		40.27	293.33	-0.27
	11/03/99		40.62	292.98	-0.35
	02/11/00		40.85	292.75	-0.23
	05/18/00		40.75	292.85	0.10
LFCH-5	09/06/00		40.72	292.88	0.03
	12/20/00		40.80	292.80	-0.08
	06/06/95	331.22	37.31	293.91	-
	12/28/95		37.97	293.25	-0.66
	04/11/96		37.80	293.42	0.17
	05/20/96		37.84	293.38	-0.04
	10/07/96		38.02	293.20	-0.18
	12/30/96		38.12	293.10	-0.10
	06/24/97		37.84	293.38	0.28
	08/20/97		38.00	293.22	-0.16
	02/10/98		37.68	293.54	0.32
	07/30/98		36.65	294.57	1.03
	01/28/99		37.45	293.77	-0.80
	06/03/99		37.75	293.47	-0.30
	11/03/99		38.10	293.12	-0.35
LFCH-6	02/11/00		38.32	292.90	-0.22
	05/18/00		38.21	293.01	0.11
	09/06/00		38.20	293.02	0.01
	12/20/00		38.27	292.95	-0.07
	06/06/95	334.88	40.60	294.28	-
	12/28/95		40.43	294.45	0.17
	04/11/96		40.45	294.43	-0.02
	05/20/96		40.32	294.56	0.13
	10/07/96		40.52	294.36	-0.20
	12/30/96		40.64	294.24	-0.12
	06/24/97		40.32	294.56	0.32
	08/20/97		41.37	293.51	-1.05
	02/10/98		41.10	293.78	0.27
	07/30/98		39.87	295.01	1.23
	01/28/99		40.80	294.08	-0.93
	06/03/99		41.10	293.78	-0.30
	02/11/00	335.42	42.28	293.14	-0.64
	05/18/00		42.11	293.31	0.17
	09/06/00		42.14	293.28	-0.03
	12/20/00		42.23	293.19	-0.09

Table 1
Groundwater Elevation Measurements
Former Chromal Plating Site Vicinity
Former Lawry's California Center
LFR 6257.00

Well Location ID	Date Measured	Top-of-Casing Elevation (feet MSL)	Depth to Groundwater (feet BTC)	Groundwater Elevation (feet MSL)	Relative Change in Groundwater Elevation (feet REL)
LFCH-7	10/05/95	338.23	44.95	293.28	-
	12/28/95		45.38	292.85	-0.43
	04/11/96		45.40	292.83	-0.02
	05/20/96		45.25	292.98	0.15
	10/08/96		45.41	292.82	-0.16
	12/30/96		45.52	292.71	-0.11
	06/24/97		45.23	293.00	0.29
	08/20/97		45.41	292.82	-0.18
	02/10/98		45.07	293.16	0.34
	07/30/98		44.05	294.18	1.02
	01/28/99		44.88	293.35	-0.83
	06/03/99		45.15	293.08	-0.27
	11/03/99		45.50	292.73	-0.35
	02/11/00		45.52	292.71	-0.02
	05/18/00		45.60	292.63	-0.08
	09/06/00		45.58	292.65	0.02
	12/20/00		45.72	292.51	-0.14
LFCH-8	10/05/95	329.74	36.55	293.19	-
	12/28/95		36.94	292.80	-0.39
	04/11/96		36.96	292.78	-0.02
	05/20/96		36.81	292.93	0.15
	10/07/96		36.90	292.84	-0.09
	12/30/96		37.02	292.72	-0.12
	06/24/97		36.73	293.01	0.29
	08/20/97		37.90	291.84	-1.17
	02/10/98		36.55	293.19	1.35
	07/30/98		35.80	293.94	0.75
	01/28/99		36.45	293.29	-0.65
	06/03/99		36.61	293.13	-0.16
	11/03/99		36.92	292.82	-0.31
	02/11/00		37.05	292.69	-0.13
	05/18/00		36.99	292.75	0.06
	09/06/00		36.90	292.84	0.09
	12/20/00		37.06	292.68	-0.16
LFCH-9	08/20/97	334.38	41.04	293.34	-
	02/10/98		40.74	293.64	0.30
	07/30/98		39.55	294.83	1.19
	01/28/99		40.02	294.36	-0.47
LFCH-10A	08/20/97	333.40	40.08	293.32	-
	02/10/98		39.91	293.49	0.17
	07/30/98		38.42	294.98	1.49
	01/28/99		39.30	294.10	-0.88
	06/03/99		39.60	293.80	-0.30
	11/03/99		39.98	293.42	-0.38
	02/11/00		40.24	293.16	-0.26
	05/18/00		40.11	293.29	0.13
	09/06/00		40.07	293.33	0.04
	12/20/00		40.20	293.20	-0.13

NOTES:

Survey of top-of-well casing elevations provided by Calvada Surveying, and performed by a California Licensed Surveyor.
REL - Relative Elevation
MSL - Mean Sea Level
BTC - Below Top of Casing

QA/QC: *JMK*

Table 2:
Summary of Groundwater Analytical Data
Former Chromal Plating Site Vicinity
Former Lawry's California Center
LFR 6257.00

All values reported in milligrams per liter (mg/l)

Well Number	Relative Locations	Date Sampled	Chromium		Detected Volatile Organic Compounds by EPA Method 8240/8260												TDS	Chloride	Sulfate	Boron
			Total	Hexavalent	PCE	TCE	DCFM	TCM	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naph	Alkylbenzenes	Other VOCs					
LFCH-1	Chromal Site	06/02/93	11.	12.	0.033	0.002	0.02	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	ND	--	NA	NA	NA	NA	
		03/16/94	35.	34.	0.023	0.0042	0.011	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	ND	--	NA	NA	NA	NA	
		06/06/95	25.	27.	0.013	0.0038	0.0024	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	NA	--	NA	NA	NA	NA	
		12/28/95	20.	1.8 *	0.019	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	--	NA	NA	NA	NA	
		04/12/96	8.9	9.9	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	0.240	ND	--	NA	NA	NA	NA	
		05/21/96	11.	10.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	NA	NA	NA	NA	
		10/08/96	7.1	7.1	0.014	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		12/30/96	10.	10.	0.01	0.0036	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		06/25/97	6.8	6.8	<0.001	0.0018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		08/20/97	6.6	6.4	0.0098	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		02/11/98	2.3	1.7	0.008	0.0053	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		07/30/98	13.	12.	0.014	<0.001	<0.001	0.0017	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		01/28/99	4.17	4.56	0.018	<0.001	<0.002	0.0011	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
LFCH-2	Crossgradient	03/16/94	0.0096	<0.02	0.024	<0.002	<0.002	<0.002	<0.002	0.0045	<0.002	<0.004	<0.002	ND	--	NA	NA	NA	NA	
		06/06/95	<0.01	<0.01	0.017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	ND	--	NA	NA	NA	NA	
		12/28/95	0.02	<0.01	0.026	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	NA	--	NA	NA	NA	NA	NA	
		04/11/96	<0.050	<0.01	0.038	0.002	<0.001	<0.001	<0.001	0.009	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		05/20/96	<0.050	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	NA	NA	NA	NA	NA
		10/08/96	<0.050	<0.01	0.023	0.003	<0.001	<0.001	0.002	0.0024	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		12/30/96	<0.050	<0.01	0.02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		06/24/97	<0.050	<0.01	0.005	0.0063	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		08/20/97	<0.050	<0.01	0.018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		02/11/98	<0.050	0.01	0.014	0.0014	<0.001	0.0016	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		07/30/98	<0.050	<0.01	0.018	0.0011	<0.001	0.0018	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		01/28/99	<0.050	0.02	0.028	<0.001	<0.002	0.0014	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		06/03/99	<0.050	<0.01	0.0174	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	972	111	198**	<0.05	
		11/03/99	<0.050	<0.01	0.0107	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	918	138	257	0.656	
		02/11/00	<0.050	<0.01	0.00856	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	962	141	226	0.643	
		05/18/00	<0.050	<0.01	0.0095	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1030	142	240	0.72	
		09/06/00	<0.050	<0.02	0.0066	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1030	171	233	0.89	
		12/20/00	<0.050	0.00022J	0.009	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	971	136	244	0.69	
LFCH-3	Downgradient	03/16/94	1.3	1.4	0.029	<0.002	0.013	<0.002	0.0048	0.039	0.055	0.182	0.02	0.0623	--	NA	NA	NA	NA	
		06/06/95	0.76	0.82	0.017	0.0027	0.0081	<0.005	0.0033	0.023	0.089	0.129	0.022	0.0624	--	NA	NA	NA	NA	
		12/28/95	1.4	0.02*	0.015	<0.005	NA	NA	0.008	0.055	0.18	0.32	NA	--	NA	NA	NA	NA		
		04/12/96	0.97	0.88	0.018	<0.005	<0.005	<0.005	0.006	0.096										

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Former Chromal Plating Site Vicinity
Former Lawry's California Center
LFR 6257.00

All values reported in milligrams per liter (mg/l)

Well Number	Relative Locations	Date Sampled	Chromium		Detected Volatile Organic Compounds by EPA Method 8240/8260												TDS	Chloride	Sulfate	Boron
			Total	Hexavalent	PCE	TCE	DCFm	TCM	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naph	Alkylbenzenes	Other VOCs					
LFCH-4 (continued)	Downgradient	12/31/96	<0.050	<0.01	0.0037	0.0059	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		06/25/97	<0.050	<0.01	0.0073	0.014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		08/22/97	0.14	0.05	0.004	0.0064	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	0.0035	ND	--	NA	NA	NA	NA	
		02/11/98	<0.050	<0.01	0.0062	0.011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		07/30/98	0.14	<0.01*	0.0076	0.0038	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		01/29/99	0.404	0.41	0.01	0.0034	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		06/03/99	0.152	0.09	0.00583	0.00505	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1170	209	178**	<0.05	
		11/03/99	<0.050	0.01	0.00479	0.00621	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1260	235	292	1.45	
		02/11/00	<0.050	0.02	0.00321	0.00558	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1440	234	270	1.64	
		05/18/00	<0.050	<0.01	0.0027	0.0039	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1540	219	293	2.1	
		09/06/00	<0.050	<0.02	0.003	0.0044	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1530	240	249	2.	
		09/06/00	<0.050	<0.02	0.0032	0.0047	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.0014	ND	--	1560	252	265	2	
		12/20/00	<0.050	0.0014	0.0023	0.0035	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1540	257	283	2.1	
LFCH-5	Downgradient	06/06/95	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	ND	--	NA	NA	NA	NA	
		12/28/95	0.055	<0.01*	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	--	NA	NA	NA	NA	
		04/11/96	<0.050	<0.01	<0.001	<0.001	<0.001	0.003	0.011	<0.001	<0.003	0.008	ND	--	NA	NA	NA	NA	NA	
		05/20/96	<0.050	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	NA	NA	NA	NA	
		10/07/96	<0.050	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		12/31/96	<0.050	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		06/25/97	<0.050	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		08/22/97	<0.050	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		02/11/98	<0.050	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		07/30/98	<0.050	<0.01	<0.001	0.0018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		01/29/99	<0.050	<0.01	0.0013	0.0026	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		06/03/99	<0.050	<0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1560	216	239**	<0.05	
		11/03/99	<0.050	<0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1640	227	381	2.15	
		02/11/00	<0.050	0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1670	217	359	2.23	
		05/18/00	<0.050	<0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1690	197	450	2.4	
		05/18/00	<0.050	<0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1690	192	439	2.4	
		09/06/00	<0.050	<0.02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1630	213	452	2.3	
		12/20/00	<0.050	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1710	210	459	2.3	
		12/20/00	<0.050	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1710	210	456	2.3	
(Duplicate)	Upgradient	06/06/95	<0.01	<0.01	0.0073	0.0038	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	ND	--	NA	NA	NA	NA	
		12/28/95	0.																	

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Former Lawry's California Center
LFR 6257.00

All values reported in milligrams per liter (mg/l)

Well Number	Relative Locations	Date Sampled	Chromium		Detected Volatile Organic Compounds by EPA Method 8240/8260											TDS	Chloride	Sulfate	Boron	
			Total	Hexavalent	PCE	TCE	DCFm	TCM	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naph	Alkylbenzenes	Other VOCs					
LFCH-7	Downgradient	10/05/95	0.037	<0.01	<0.01	<0.01	<0.01	<0.01	0.82	0.52	0.027	<0.003	0.49	0.325	--	NA	NA	NA	NA	
		12/29/95	<0.050	<0.01	<0.025	<0.025	NA	<0.025	0.47	<0.025	<0.025	<0.025	NA	NA	--	NA	NA	NA	NA	
		04/11/96	<0.050	<0.01	<0.025	<0.025	<0.025	<0.025	0.64	<0.025	0.025	<0.075	0.41	0.25	--	NA	NA	NA	NA	
		05/20/96	<0.050	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	NA	NA	NA	NA	
		10/08/96	<0.050	<0.01	<0.05	<0.05	<0.05	<0.05	0.39	<0.05	<0.05	<0.15	<0.05	0.244	--	NA	NA	NA	NA	
		12/31/96	<0.050	<0.01	<0.025	<0.025	<0.025	<0.025	0.48	<0.025	<0.025	<0.075	0.36	0.311	--	NA	NA	NA	NA	
		06/25/97	<0.050	<0.01	<0.05	<0.05	<0.05	<0.05	0.5	<0.05	<0.05	<0.15	0.35	0.362	--	NA	NA	NA	NA	
		08/21/97	<0.050	<0.01	<0.025	<0.025	<0.025	<0.025	0.28	<0.025	<0.025	<0.075	<0.025	0.174	--	NA	NA	NA	NA	
		02/13/98	<0.050	<0.01	<0.02	<0.02	<0.02	<0.02	0.38	<0.02	<0.02	<0.06	0.17	0.285	--	NA	NA	NA	NA	
		07/31/98	<0.050	<0.01	<0.025	<0.025	<0.025	<0.025	0.5	<0.025	<0.025	<0.075	0.25	0.351	--	NA	NA	NA	NA	
		01/29/99	<0.050	<0.01	<0.010	<0.010	<0.020	<0.010	0.414	<0.010	<0.010	<0.003	<0.010	0.2675	--	NA	NA	NA	NA	
		06/03/99	<0.050	<0.01	<0.020	<0.020	<0.040	<0.020	0.331	<0.020	<0.020	<0.060	0.0412	0.2152	1,1,2 TCA: 0.0206	756	82.2	81.5**	<0.05	
		11/03/99	<0.050	<0.01	<0.010	<0.010	<0.020	<0.010	0.265	<0.010	<0.010	<0.003	0.152	0.2619	--	856	82.6	96.0	0.375	
		02/11/00	<0.050	0.02	<0.00625	<0.00625	<0.00625	<0.00625	0.188	<0.00625	<0.00625	<0.01875	0.0236	0.17518	--	794	80.6	100	0.389	
		05/18/00	<0.050	<0.01	<0.002	0.0024	<0.004	<0.002	0.150	<0.002	<0.002	<0.002	0.035	0.1306	cis-1,2-DCE: 0.0033	812	66.2	72.7	0.41	
		09/06/00	<0.050	<0.02	<0.0025	<0.0025	<0.005	<0.0025	0.190	<0.0025	<0.0026	0.0027	0.07	0.209	cis-1,2-DCE: 0.0029	787	69.6	58.0	0.42	
		12/20/00	<0.050	<0.001	<0.0025	0.0026	<0.005	<0.0025	0.160	<0.0025	<0.0025	<0.0025	0.066	0.216	cis-1,2-DCE: 0.0033	827	82.0	92.2	0.42	
LFCH-8	Downgradient	10/05/95	0.066	<0.01	<0.002	0.0020	<0.002	<0.002	<0.002	0.0033	<0.002	<0.0060	<0.002	ND	--	NA	NA	NA	NA	
		12/29/95	<0.050	0.03	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	--	NA	NA	NA	NA	NA	
		04/11/96	<0.050	<0.01	<0.001	0.002	<0.001	<0.001	<0.001	0.054	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		05/20/96	<0.050	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	NA	NA	NA	NA	NA	
		10/07/96	<0.050	<0.01	<0.001	0.0018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	
		12/30/96	<0.050	<0.01	<0.001	<0.001	<0.001	<0.001	0.0031	<0.001	<0.0027	0.0066	<0.001	0.0083	--	NA	NA	NA	NA	NA
		06/25/97	<0.050	<0.01	0.0016	0.0016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		08/21/97	<0.050	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		02/11/98	<0.050	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		07/31/98	<0.050	0.02	0.0019	0.0029	<0.001	<0.001	0.0013	<0.001	<0.001	<0.001	<0.001	ND	--	NA	NA	NA	NA	NA
		01/28/99	<0.050	0.04	0.0025	0.0025	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA	NA
		06/03/99	<0.050	<0.01	0.00135	0.0023	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1560	277	252**	<0.05	
		11/03/99	<0.050	<0.01	0.00175	0.00234	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1520	229	322	1.88	
		02/11/00	<0.050	<0.01	0.00124	0.00188	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1510	219	309	1.75	
		05/18/00	<0.050	<0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1640	212	374	2.2	
		09/06/00	<0.050	0.02	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	1660	228	395	2.1	
		12/20/00	<0.050	0.00012J	<0.001	<0.001	<													

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Well Number	Relative Locations	Date Sampled	Chromium		Detected Volatile Organic Compounds by EPA Method 8240/8260											TDS	Chloride	Sulfate	Boron
			Total	Hexavalent	PCE	TCE	DCFM	TCM	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naph	Alkylbenzenes	Other VOCs				
LFCH-10B	Chromal Site	08/21/97	<0.050	<0.01	0.0022	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA
		02/10/98	<0.050	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA
		07/30/98	<0.050	<0.01	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA
		01/28/99	<0.050	<0.01	0.0012	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	0.001	ND	--	NA	NA	NA	NA
		06/03/99	<0.050	<0.01	0.00215	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	770	134	98**	<0.05
		11/03/99	<0.050	<0.01	0.00101	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	842	139	200	0.749
		02/11/00	<0.050	<0.01	0.00113	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	776	131	170	0.756
		5/18/00 & 6/15/00	<0.050	<0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	164	43	37.7	<0.20
		09/06/00	<0.050	<0.02	0.0014	0.0014	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	776	168	70.5	0.81
		12/20/00	<0.050	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	979	225	73.2	1.6
LFCH-10C	Chromal Site	08/21/97	<0.050	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA
		02/10/98	<0.050	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	0.0011	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA
		07/30/98	<0.050	<0.01	<0.001	0.0014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA
		01/28/99	<0.050	0.02	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	ND	--	NA	NA	NA	NA
		06/03/99	<0.050	<0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1280	333	53.5**	0.633
		11/03/99	<0.050	<0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1170	287	78.0	1.27
	(Duplicate)	11/03/99	<0.050	<0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1210	307	86.0	1.71
		02/11/00	<0.050	0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	ND	--	1330	343	108	1.88
		5/18/00 & 6/15/00	<0.050	<0.01	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	214	9.4	52.1	<0.20
		09/06/00	<0.050	<0.02	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	429	39.9	56.5	0.43
		12/20/00	<0.050	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	--	702	128.	77.4	0.83
MCLs			0.05	NE	0.005	0.005	NE	0.1	0.001	0.15	0.7	1.75	NE	NE	1,1,2 TCA: 0.005 cis-1,2-DCE: 0.005 styrene: 0.1	500***	250***	250***	NE

Notes:

NE = Not Established
ND = Not Detected above individual detection limits
NA = Not Analyzed
< = Designates less than the laboratory detection limit
MCLs = Maximum Contaminant Level or Primary Drinking Water Standard for the State of California
* = Discrepancy in Total Chromium versus Hexavalent Chromium attributable to laboratory procedures
** = Sulfate was detected in the equipment blank at a concentration of 118 mg/L
*** = Secondary Drinking Water Standard for State of California or EPA.
J = Trace (less than reporting limit of 0.001 mg/L and above method detection limit of 0.0001 mg/L).

Chemical Abbreviations:

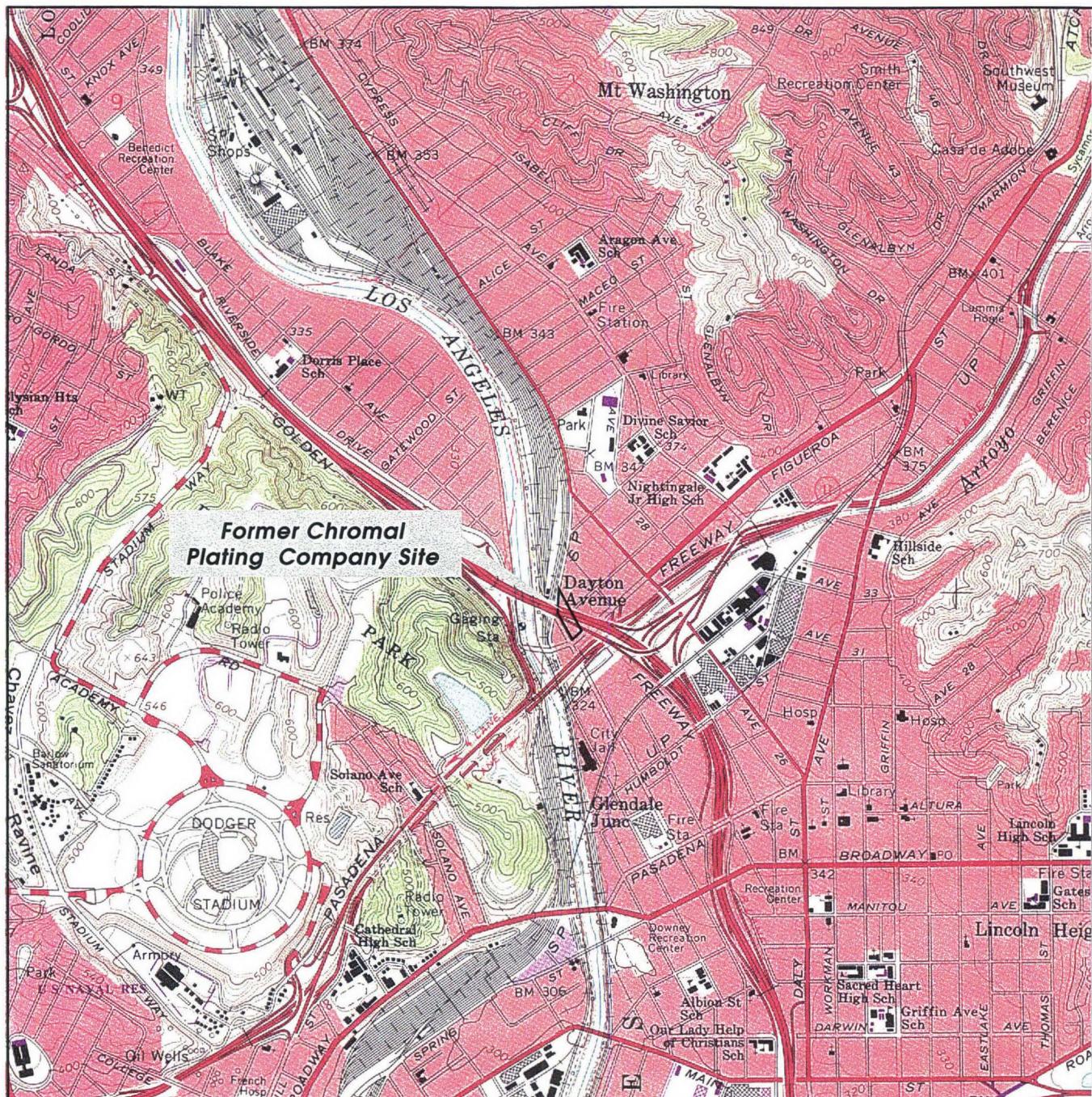
PCE = Tetrachloroethene
TCE = Trichloroethene
DCFM = Dichlorodifluoromethane
TCM = Trichloromethane (Chloroform)
Naph = Naphthalene
TDS = Total Dissolved Solids
TCA = Trichloroethane

Alkylbenzenes:
n-Butylbenzene
sec-Butylbenzene
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Isopropylbenzene
n-Propylbenzene

QA/QC: *[Signature]*

The 12/20/00 hexavalent chromium samples were analyzed using EPA Method 218.6 by E.S. Babcock & Sons, Inc. laboratory.

FIGURES

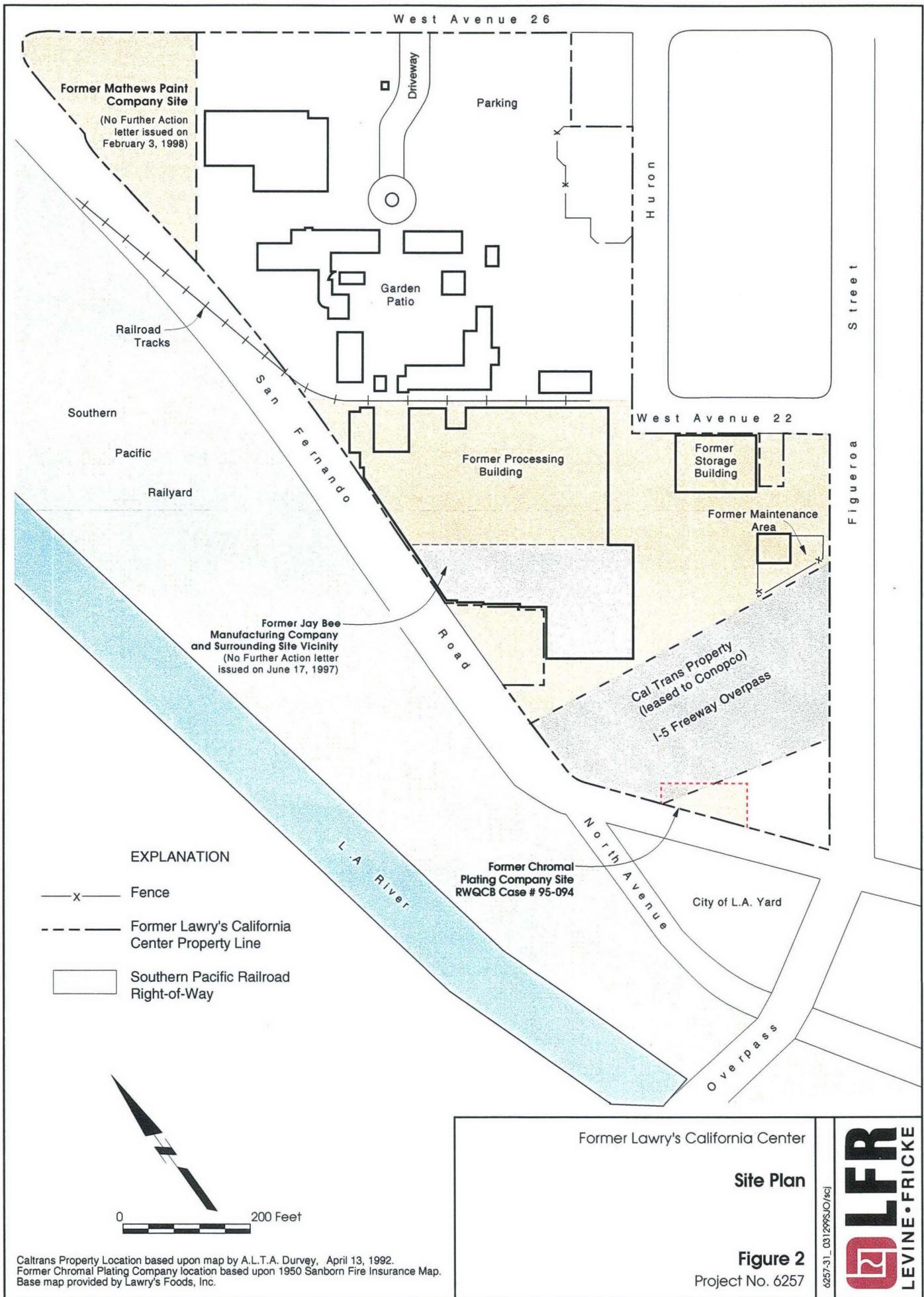


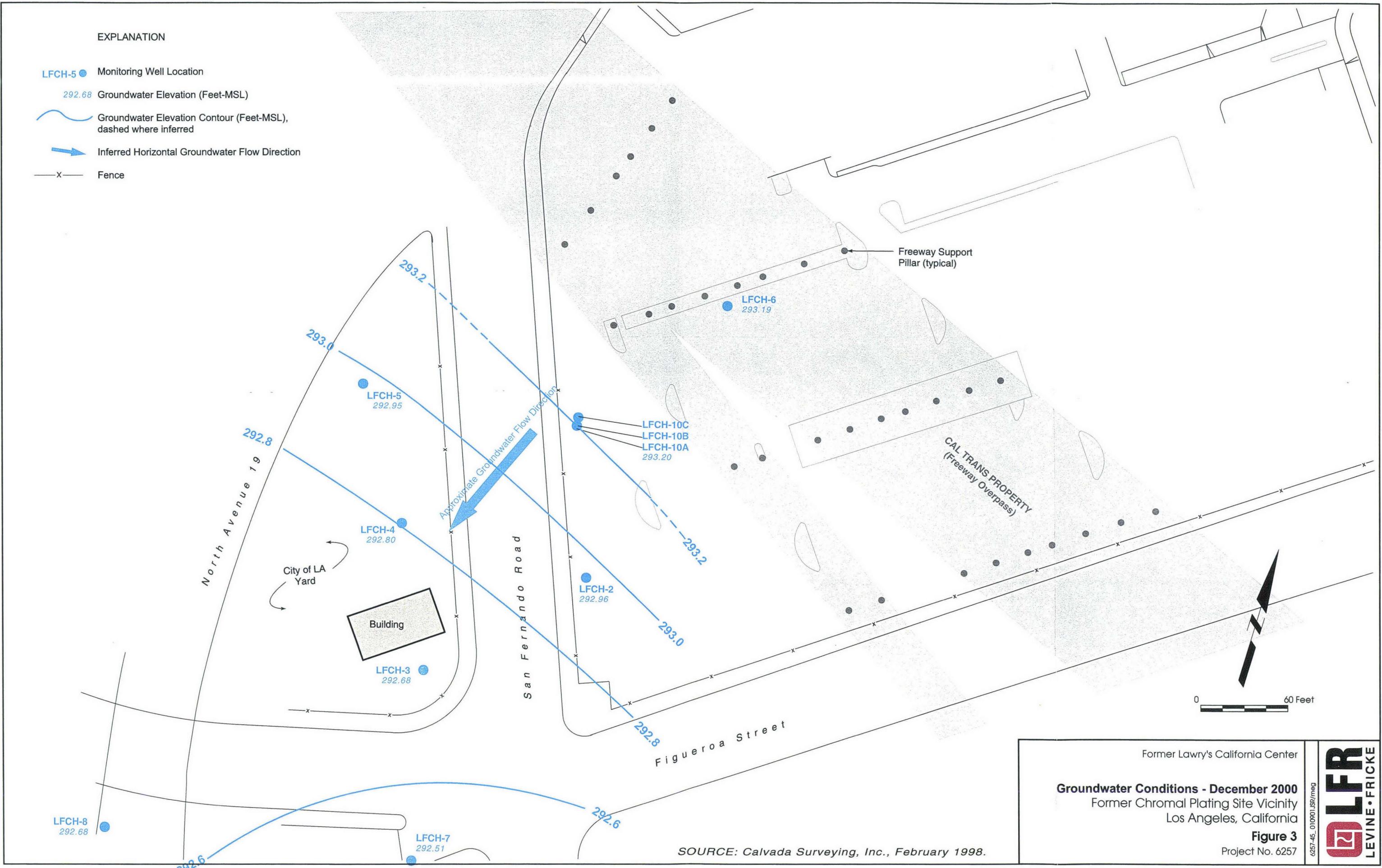
MAP SOURCE: U.S.G.S Topographic Map, 7.5' Quadrangle, Los Angeles, California, 1981.

0 1,000 2,000 4,000 feet

6257-30 031299SJO/scj

Former Chromal Plating Company Site





EXPLANATION

LFCH-5 ● Monitoring Well Location

Total Dissolved Chromium Concentration in milligrams per liter (mg/l) in Groundwater Over Time

LFCH-5	6/3/99 <0.050
	11/3/99 <0.050
	2/11/00 <0.050
	5/18/00 <0.050
	9/6/00 <0.050
	12/20/00 <0.050

— X — Fence

NS Not Sampled (Inaccessible)

(---) Approximate Extent of Total Chromium-Affected Groundwater in Excess of 0.05 mg/l

NOTE: June 1999 data represent pre-soil remediation data.
November, February, May, June, September, and December 2000 data represent post-soil remediation data.



